

Title (en)
CARBON NANOTUBES IN STRUCTURES AND REPAIR COMPOSITIONS

Title (de)
KOHLENSTOFF-NANORÖHREN IN STRUKTUREN UND REPARATURZUSAMMENSETZUNGEN

Title (fr)
NANOTUBES EN CARBONE DANS DES STRUCTURES ET COMPOSITIONS DE REPARATION

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Abstract (en)
[origin: WO02076430A1] A method for repairing fiber-reinforced composite structures while maintaining original EM and lightning protection using carbon nanotubes, fibers, and thermoset resins is disclosed. According to one embodiment of the invention, the method comprises preparing a damaged area for repair; preparing a repair patch for the damaged area, the repair patch comprising nanotubes; applying the repair patch to the damaged area; and curing the repair patch. A repair patch for a composite structure having a conductive layer is disclosed. According to one embodiment of the present invention, the repair patch includes a binder and nanotubes. A repair resin for repairing a composite structure having a conductive layer is disclosed. According to one embodiment of the present invention, the repair layer includes a resin and nanotubes. A putty for repairing a composite structure having a conductive layer is disclosed. According to one embodiment of the present invention, the putty includes a base and electrically conductive carbon nanotubes.

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• [XP] US 6265466 B1 20010724 - GLATKOWSKI PAUL [US], et al
• [X] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 04 31 August 2000 (2000-08-31)
• See references of WO 02076430A1

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